Schottky Barrier R

Reverse Voltage - 1

Forward Current - 1

Features And Mechar

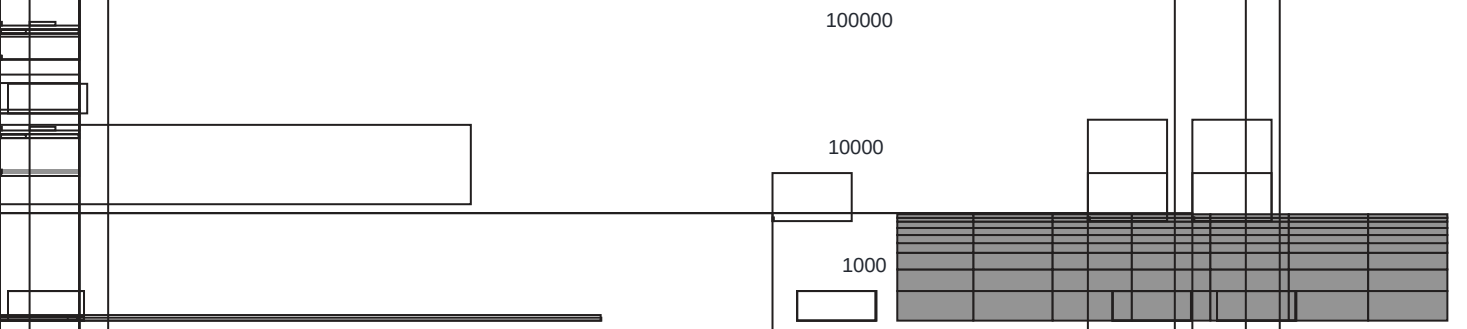
Plastic package has U
Classification 94V-0
Metal silicon junction ,m
Guard ring for over volta
Low power loss high ef
High current capability ,Lo
surge capability
For use in low voltage ,high
wheeling ,and polarity protecti
High temperature soldering:26
JESD 22-B106 or MIL-STD-750,
Case: JEDEC DO-27(D0-201AD)

Maximum Ratings and Electrical Chara

Ratings at 25℃ ambient temperature unless ... ase, half wave, 60HZ, resistive orinductive load.For capacitive load, derate cur

Device Marking	Symbols	YFW10L150	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	150	Volts
Maximum RMS Voltage	V_{RMS}	105	Volts
Maximum DC Blocking Voltage	V_{DC}	150	Volts
Maximum Average Forward Rectified Current. Lead Length @Ta(Fig 1)	$I_{(AV)}$	10.0	Amp
Peak Forward Surge Current,8.3ms single half- sine-wave superimposed on rated load (JEDEC method) (Rating of per diode)	I_{FSM}	150	Amp
Maximum instantaneous forward voltage at I(AV)	V_F	0.84	Volts
Maximum DC reverse current at rated DC blocking voltage per Tj=25°C	I_R	0.1	mA
Tj=100°C		10	
Typical Thermal Resistance	$R_{\Theta JC}$	25	℃/W
Junction Temperature	T_J	-65 to +150	℃
Storage Temperature Range	T_{STG}	-65 to +150	℃

※This product The above data sheet typical data meet the Mentioned standards,designers for reference only



NUMBER OF CYCLES AT 60 Hz
Fig. 3 Peak Forward Surge Current

PERCENT OF RATED PEAK REVERSE VOLTAGE,(%)

FIG.4-TYPICAL FORWARD CHARACTERISTICS